

TF
1
R16
V.25

INDEX.

A	Alabama, Internal Improvements of 20, 5	British North America, Railways in 405	Credits, American 563	Darien Ship Canal 548
	Anthracite Coal Trade 29, 23	British Provinces 440, 429	Cleveland Water Works 568	Drainage of Great Rivers 551
	Arkansas Central Railroad 35, 29	Bridge at Portage, N. Y. 486	Central Railroad, (Virginia) 818, 681	Danville and Paris (Ill.) Railroad 570
	Albany and Binghamton Railroad 54	Bridge, Flying Railroad 507	Central Railroad, (New Jersey) 711	Delaware and Raritan Canal 57
	Atlantic and St. Lawrence Railroad 506, 504, 500, 503, 280, 150, 69	Bridge, New Suspension, at Niagara Falls 546	Centralization of Railroads 725	Debt of Louisiana 105
	Alabama and Mississippi Railroad 158, 141, 71	Bidney, a Metallic Alloy used in India 628	Champlain Railroad on west side 726	Debt of the State 127
	Albany and Schoenectady Railroad 548, 391, 255	Britton Iron Trade 628	Cincinnati and Hillabour Railroad 55, 530, 540	Debt of New Orleans 283
	Alabama, Finances of 124	Boston and Worcester Railroad 56, 43	Chicago and Galena Railroad 199, 53, 45	Defrauding Railroads 286
	Atlantic Steamers, St. Lawrence line of 167	Boardman's Steam Boiler 150, 138	Cincinnati and St. Louis Railroad 51	Delaware Water Gap Railroad 524
	Arkansas Railroads 502, 180	Bonds of Ohio Counties 198, 184, 181	Chicago, Commerce of 53	Depot, Locomotive 589
	Albany and Buffalo Trains, Summer Arrangement 196	Bonds, Convertibility of 184	Cincinnati and Marietta Railroad 146, 772	Depot at Union 450
	Atlanta and La Grange Railroad, Ga. 439, 248	Board of Public Works, Ohio 187	Cincinnati and Dayton Railroad 567	Below, Industrial resources of the South 664
	Alabama and Tennessee Railroad 680, 292	Boston, New Route to 320	Cincinnati and Dayton Railroad 567	and West 664
	Atlantic and St. Lawrence Railroad 578, 290, 81	Boston and Concord, and Montreal Railroad 566	Cincinnati and Dayton Railroad 567	Detroit, Monroe, and Toledo Railroad 761
	Anthracite, for Naval Steamers 355	Boston and Lowell Railroad 486	Cincinnati and Dayton Railroad 567	Delaware Railroad 775
	Amazon, The River; Maury's Memorial 371	Bloomington Extension Railroad 476	Cincinnati and Dayton Railroad 567	Dividends of New Works 449
	Albany, Ship Navigation to 423	Boston, New feature in the business of 518	Cincinnati and Dayton Railroad 567	Diving, Deep 459
	Alabama and Tennessee River Railroad, Exhibit of 704, 678, 615, 465	Blossburg and Corning Railroad 555	Cincinnati and Dayton Railroad 567	Doty, Hon. Jas. D., M. C., letter from 452
	Atlantic and Camden Railroad 522	Boston Locomotives 571	Cincinnati and Dayton Railroad 567	Dubuke and Red River Railroad 42
	Anthracite, Statistics of 540	Boston and Maine Railroad 667, 616	Cincinnati and Dayton Railroad 567	Dunkirk, Business at 231
	Albany and Susquehanna Railroad 540, 228, 773	Brown Wm. Spencer, Memoir of 637	Cincinnati and Dayton Railroad 567	Dunkirk and Keokuk Railroad 280
	Albany and Eagle Bridge Railroad 768, 682	Buffalo and Conchocton Railroad 56, 43	Cincinnati and Dayton Railroad 567	Dunkirk, Growth of 393
	American vs. English Railroads 29	Buffalo, Commerce of 141	Cincinnati and Dayton Railroad 567	Durbin, Wm. 608
	Amherst and Belchertown Railroad 304, 115	Buffalo and Lockport Railroad 540, 508, 359	Cincinnati and Dayton Railroad 567	Duty on Railroad Iron 597
	Alleghany Valley Railroad 555, 541, 251, 235, 215	Brunswick Canal 567	Cincinnati and Dayton Railroad 567	Dry Dock, U.S. Naval, at Philadelphia 57
	American Manufactures at World's Fair, 645, 190	Brunswick and Florida Railroad 499, 444, 423	Cincinnati and Dayton Railroad 567	
	Allentown and Pottstown Railroad, Pa. 226	Buffalo and Olean Railroad 667	Cincinnati and Dayton Railroad 567	E
	Amherst and Palmer Railroad, Mass. 237	Buffalo and State Line Railroad 253, 232	Cincinnati and Dayton Railroad 567	East Tennessee and Virginia Railroad 249, 104
	Axles and Wheels on Railroads 477	Buffalo, Corning, and N. Y. Railroad 236	Cincinnati and Dayton Railroad 567	" " Georgia Railroad 444, 440, 92
	Alleghany Valley Railroad 555	Buffalo and Brantford Railroad 597, 593, 565, 300	Cincinnati and Dayton Railroad 567	Evansville and Illinois Railroad 409, 377, 342
	American Steam Navigation—Speech of Gov. Seward, in Senate 322	Buffalo, Corning, and New York Railroad 300	Cincinnati and Dayton Railroad 567	Eaton and Hamilton Railroad, O. 593, 774, 710
	Alabama 331	Buffalo and Corning Railroad 312	Cincinnati and Dayton Railroad 567	Evansville and Nashville Railroad 459, 229
	Alleghany Valley Railroad, City Subscribers to 332	Buffalo and Brantford, and Great Western Railroad, Canada 328	Cincinnati and Dayton Railroad 567	Eric Railroad, double track 312
	Assessment of Railroad Property 444	Buffalo and Lockport Railroad 540, 508, 359	Cincinnati and Dayton Railroad 567	Eaton Road, Georgia 331
	Aberdeen, Miss., Railroad Convention at 502	Brunswick Canal 567	Cincinnati and Dayton Railroad 567	Eastern Railroad, location of 353, 647, 535, 492
	American Association for advancement of Science 521	Brunswick and Florida Railroad 499, 444, 423	Cincinnati and Dayton Railroad 567	England and Canada, Steam communication between 517
	American Credits 563	Chain Invented by M. Sisco 19	Cincinnati and Dayton Railroad 567	Examination of Railroad in N. Y. 520
	Artesian Well 694, 610	Canal to Chesapeake Bay 512	Cincinnati and Dayton Railroad 567	Eastern Railroads (Statistics of Railroads in Mass.) 550
	American Superiority at the World's Fair 645	Canals in Ohio 124	Cincinnati and Dayton Railroad 567	Earnings of Railroads 614, 602
	American Navigation 725	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Essex Railroad 493, 374
	American Iron 725	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Evansville and Kentucky Railroad 459
	Andrew's Report on the Commerce of the Lakes 801	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Extension of our Railway System 561
	Accidents on Railroads 522, 262, 294, 74	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Effects of the Earth's Rotation on Locomotion 599
	Air Engine, Ericsson's 129	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Extension of the Indiana Railroad 611
	Animals on Railroads 533	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Agriculture and Manufactures of United States 535	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric Railroad 72, 43, 17, 3, 664, 631, 568, 550, 401
	Antiquities 567	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Attica and Olean Railroad 812, 567	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Air Line Railroad, (New York and Boston) 709	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atkinson, Thomas C., Esq. 773	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Akron Branch Railroad, Ohio 728, 387, 185	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Sangamon Railroad 314, 679, 247	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Are we spending too much money on our Railroads? 296	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Are we building too many Railroads? 410, 395	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Chicago Railroad 549	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Jacksonville 587	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Appointment of Steamboat Inspectors 611	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Atmospheric Railway 723	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Androscoogin Railroad 305	Canals in N. Y. 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Springfield Railroad 375	Camden and Amboy Railroad 87	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Association, American, for advancement of Science 521	Champlain and St. Lawrence Railroad 114, 88	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Altoona 565	Canal, Pennsylvania and Ohio 440, 409	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2
	Alton and Terre Haute 536	Canals in N. Y., Commerce of 245, 71, 44	Cincinnati and Dayton Railroad 567	Eric, Steamers on Lake 136, 2

TF
1
R16
V.25

INDEX.

- A**
- Alabama, Internal Improvements of, 20, 5
Anthracoal Coal Trade, 23, 23
Arkansas Central Railroad, 35, 29
Albany and Binghamton Railroad, 54
Atlantic and St. Lawrence Railroad, 506, 504, 500, 503, 280, 150, 69
Alabama and Mississippi Railroad, 153, 141, 71
Albany and Schenectady Railroad, 545, 391, 255, 111
Alabama, Finances of, 124
Atlantic Steamers, St. Lawrence line of, 167
Arkansas Railroads, 502, 180
Albany and Buffalo Trains, Summer Arrangement, 196
Atlanta and La Grange Railroad, 439, 248
Alabama and Tennessee Railroad, 680, 292
Atlantic and St. Lawrence Railroad, 578, 299, 81
Anthracoal, for Naval Steamers, 355
Amason, The River; Maury's Memorial, 371
Albany, Ship Navigation to, 423
Alabama and Tennessee River Railroad, Exhibit of, 704, 678, 615, 465
Atlantic and Camden Railroad, 522
Anthracoal, Statistics of, 540
Albany and Susquehanna Railroad, 540, 228, 773, 768, 632
Albany and Eagle Bridge Railroad, 608
American vs. English Railroads, 29
Amherst and Belchertown Railroad, 304, 115
Alleghany Valley Railroad, 555, 541, 251, 235, 215, 138
American Manufactures at World's Fair, 645, 190
Allentown and Pottstown Railroad, Pa., 226
Amherst and Palmer Railroad, Mass., 237
Axes and Wheels on Railroads, 237
Alleghany Valley Railroad, 415
American Steam Navigation—Speech of Gov. Seward, in Senate, 322
Alabama, 331
Alleghany Valley Railroad, City Subscribers to, 332
Assessment of Railroad Property, 444
Aberdeen, Miss., Railroad Convention at, 502
American Association for advancement of Science, 521
American Credits, 563
Artesian Well, 694, 610
American Superiority at the World's Fair, 645
American Navigation, 678
American Iron, 728
Andrew's Report on the Commerce of the Lakes, 801
Accidents on Railroads, 522, 262, 294, 74
Air Engines, Ericsson's, 129
Animals on Railroads, 533
Agriculture and Manufactures of United States, 535
Antiquities, 567
Attica and Olean Railroad, 812, 567
Air Line Railroad, (New York and Boston), 709
Atkinson, Thomas C., Esq., 728, 387, 185
Akron Branch Railroad, Ohio, 728, 387, 185
Alton and Sangamon Railroad, 314, 679, 247
Are we spending too much money on our Railroads? 296
Are we building too many Railroads? 410, 395, 395
Androscoogin Railroad, 395
Alton and Springfield Railroad, 375
Association, American, for advancement of Science, 521
Altoona, 565
Alton and Terre Haute, 536
Alton and Chicago Railroad, 549
Alton and Jacksonville, 587
Appointment of Steamboat Inspectors, 611
Atmospheric Railway, 723
Androscoogin Railroad, 776
Augusta and Waynesboro' Railroad, 45, 42
Aurora Extension and Beloit Branch Railroad, 45
Aurora Railroad, 608, 147
Ashuelot Railroad, N. H., 399, 278, 168
- B**
- Baltic, Steamer, 11
Banks in the United States, 24
Baltimore and Susquehanna Railroad, 587, 84
Baltimore and Ohio Railroad, 810, 759, 745, 680, 679, 678, 648, 631, 615, 598, 524, 428, 427, 393, 392, 391, 375, 353, 237, 168
Baltimore, Railroad Convention in, 181
Barre and North Brookfield Railroad, Mass., 235
Bangor and Oldtown Railroad, 232
Baltimore and Westchester Railroad, 251
Baltimore and Boston, Line of Steamers between, 278
Branford and Buffalo Railroad, 597, 593, 565, 390
Bangor and Lincoln Railroad, 583
Baltimore, Carroll, and Frederick Railroad, 587
Baltimore and Philadelphia in connection with Western Roads, 650
Banking in Illinois, 714
Belleville and Indiana Railroad, 403, 378, 25
Belleville and Indianapolis Railroad, 635, 279, 55
Beloit and Madison Railroad, 535, 524
Belleville and Illinois Railroad, 675, 614, 587, 565
Belgian Project, 615
Bituminous Coal Trade of, 27
British Metals Exported to British North America, 45, 44
Bridge over Ill. Cen. Railroad, 183
Bristol, (R. I.) Railroad to, 535, 220
Bridge building by Pneumatic process, 254
Bridge, McCallum's Patent, 385
- British North America, Railways in, 405
British Provinces, 440, 429
Bridge at Portage, N. Y., 486
Bridge, Flying Railroad, 507
Bridge, New Suspension, at Niagara Falls, 546
Bridgely, a Metallic Alloy used in India, 546
Britton Iron Trade, 628
Boston and Worcester Railroad, 56, 43
Boardman's Steam Boiler, 150, 138
Bonds of Ohio Counties, 198, 184, 181
Bonds, Convertibility of, 184
Board of Public Works, Ohio, 187
Boston, New Route to, 320
Baltimore and Boston, Steamers between, 278
Boston, Concord, and Montreal Railroad, 566, 359, 358
Boston and Providence Railroad, 374
Boston and Lowell Railroad, 486
Bloomington Extension Railroad, 476
Boston, New feature in the business of, 518
Blossburg and Corning Railroad, 555
Boston Locomotives, 571
Boston and Maine Railroad, 667, 616
Brown Wm. Spencer, Memoir of, 637
Buffalo and Conchocton Railroad, 56, 43
Buffalo, Commerce of, 141
Burlington and Missouri Railroad, 141
Blue Ridge Railroad, Va., 167
Buffalo and Albany trains, Summer Arrangement, 196
Buffalo and N. Y. City Railroad, 583, 564, 550, 253, 232
Buffalo and State Line Railroad, 251
Buffalo, Corning, and N. Y. Railroad, 236
Buffalo and Brantford Railroad, 597, 593, 565, 390
Buffalo, Corning, and New York Railroad, 390
Buffalo and Corning Railroad, 312
Buffalo and Brantford, and Great Western Railroad, Canada, 328
Buffalo and Lockport Railroad, 540, 505, 359
Brunswick Canal, 567
Brunswick and Florida Railroad, 545, 598, 552, 499, 444, 423
Buffalo and Olean Railroad, 667
- C**
- Chain Invented by M. Sisco, 19
Canal to Chesapeake Bay, 812
Canals in Ohio, 124
Canals in N. Y., Commerce of, 245, 71, 44
Camden and Amboy Railroad, 87
Champlain and St. Lawrence Railroad, 114, 88, 144
East Iron Tires for Locomotives, 124
Canton and Jackson Railroad, Miss., 129
Canal Commissioner's Report, Penn., 163
Canandaigua and Niagara Falls Railroad, 429, 229, 172
Canals in N. Y., Tolls on, 214, 167
Charlotte, Railroad from Rochester to, 215
Canada Railroads, 293
Canadian view of St. Lawrence route, 275
Canal Railroad, Conn., 547, 615, 425, 280
Canada, Railway Gauge in, 282
Canada West Railroad, 500
California, Area of, 332
Canal, Pennsylvania and Ohio, 373
Crawfordsville and Wabash Railroad, 440, 409
Canada, 472
Canadian Trade from 1844 to 1850, 486
Canada, Population of the, 503
California, by D. K. Minor, 513, 497
Canada and England, Steam Connection between, 550, 517
Canada, (Richmond) Railroad, 519
Camden and Atlantic Railroad, 599, 522
Charleston and Memphis Railroad, 535
Car Seat, New Railroad, 537
Charleston Railroad, 539
Canal, Darien Ship, 548
Charlotte and Jonesboro' Railroad, 545
Charlotte and South Carolina Railroad, 713, 568
Canal around St. Mary's Falls, 693, 456, 679, 618
Canada—Reciprocity and Retaliation, 625
Canadian Canals and Commerce, 627
Changes in the Course of Trade, 609
Canada (Great Trunk Line) Railroad, 694
Canada—Retaliation, 665
Canada (Northern Railroad), 679
California, Quarts Mining in, 697
Cars, Ventilation of, 712
Canada, population of, 726
Camden and Cape May Railroad, 759
Cattawissa Railroad, 773
Cleveland & Wellsville Railroad connection with Baltimore and Ohio Railroad, 471, 5
Cleveland and Wellsville Railroad, 152, 26, 508
Cleveland and Pittsburg Railroad, 59, 29, 460, 411, 216, 196, 141, 72, 68
Cherokee Railroad, 516, 94
Cleveland and Mahoning Railroad, 658, 120
Cheshire Railroad, N. H., 125
Cleveland, Columbus and Cincinnati Railroad, 228, 758, 540, 265
Cleveland and Wheeling Railroad, 235, 247
Cleveland and Zanesville Railroad, 506, 791
Chesapeake and Ohio Canal, 508, 459, 332, 260, 253
Chester Valley Railroad, Penn., 556, 264, 408, 390
Cheraw and Darlington Railroad, 407
Cleveland, Painesville and Ashtabula Railroad, 794, 489, 550
Central Military Tract Railroad and North-Cross Railroad, 507, 519, 675
Cleveland, Wooster and Muskingum Valley Railroad, 541
Chemung Railroad, 647, 548
Cleveland and Lake Shore, 550
Cleveland, Norwalk and Toledo Railroad, 551
- Credits, American, 563
Cleveland Water Works, 568
Central Railroad, (Virginia), 818, 681
Central Railroad, (New Jersey), 711
Centralization of Railroads, 725
Champlain Railroad on west side, 726
Cleveland, O., 796, 772
Central Railroad, (Ohio), 774
Chicago and Galena Railroad, 199, 53, 45, 565, 541, 535, 251, 201
Cincinnati and St. Louis Railroad, 51
Chicago, Commerce of, 533
Cincinnati and Hillsboro' Railroad, 55, 550, 540
Circular of General Green, 106
Cincinnati and Marietta Railroad, 146, 772, 631, 409, 391, 375, 359, 183
" and Lafayette Railroad, 157
" and Dayton Railroad, 790, 711, 710, 689, 244, 172
" and Indianapolis Railroad, 180
" and Zanesville Railroad, 234, 647, 347, 550
Cincinnati and Louisville Railroad, 294
Cincinnati and Marietta Railroad, 450, 300
Hillsborough and Parkersburg Railroad, 733, 324, 647, 587, 490
Cincinnati and Hamilton and Dayton Railroad, 567, 458, 339, 412
" and Chicago Railroad, 503, 461, 424, 412
Chicago and Rock Island Railroad, 700, 549, 593
City Railroads and Pavements, 450
Cincinnati Col. and Cleveland Railroad, 540
Dayton and Greenville Railroad, 549
Chicago and Alton Railroad, 665, 459
Chicago and Aurora Railroad, 812
" and Milwaukee Railroad, 634, 565
Cincinnati and Zanesville Railroad, 587
" and Dayton (short line) Railroad, 745, 693
" and its railroads, 693
Lebanon and Zenia Railroad, 827
Chicago and Mississippi Railroad, 683, 675
Chicago Dry Dock, 761
City of Cairo, 796
Commerce against Revenue, 794
Commercial Convention at Baltimore, 822
Columbus, Urbana, and Piqua Railroad, 5
Covington and Lexington Railroad, 775, 629, 585, 414, 375, 357, 312, 268, 230, 87, 28
Copiapo Railroad, Chili, 46
Commerce of Chicago, 533
Cotton exported from United States, 73
County Subscriptions for Railroad Companies, 82
Compound Rail for Railroads, 90
Corporate Subscriptions to Railroads, 97
Coal for Locomotives, 138, 106
Connecticut and Passumpsic Railroad, 307, 120
Collins and Cunard Lines of Steamers, 147
Columbus, Piqua, and Indiana Railroad, 696, 492, 214, 187, 157
Copper Mining in the United States, 166
Coal Trade of United States, 171
Continuous Bearing, 184
Convertibility of County Bonds, 384
Commercial Statistics of Great Britain, 189
Commerce of Lake Ports, 189
Columbus and Xenia Railroad, 196
Collins line of Steamers, 197, 107
Corn going East from the Mississippi, 245
" Trade, Maryland, 242
Copper Mines of Lake Superior, 260
County Securities of Ohio, 290
Coal Trade for 1852, 374, 261
Concord and Portsmouth Railroad, 283
Commerce of Virginia, 314
Covington, Lexington, and Maysville Railroad, 332
Coal Fields of Ohio, 338
County Subscriptions for Railroads in Tennessee, 359
Coal Company, The Dauphin, 488, 374
Clocks, Sherry & Byram's, 376
Croton Aqueduct, 380
Coal Mine near Lake Superior, 409
Commerce on the Lakes, 412
Coal, Geological Formation of, 455
Covington and Louisville Railroad, 729, 461
Cotton Packing, 489
Coal, Lackawanna and Railroad, 518
Copper Region of Lake Superior, 519
Coal, Statistics of Anthracite and Cumberland, 540
Corning and Blossburg Railroad, 555
Comparative Safety of Railroads, 584
Collision-Director, Thaddeus Seleck's, 635
Cotton trade, 662
Convention, Great Railroad, 696
Cornwall and Pinegrove Railroad, 712
Cumberland Valley Railroad, 233, 295
Cumberland Coal Trade, 600, 266
Curious Fact (Rivers and Currents), 535
Cumberland Coal, Statistics of, 540
Cuyahoga Furnace Graduates, 613
Commercial Cities of the Seaboard, 773
Coal Statistics, 773
Cotton, Production of, 775
Crystal Palace in London, New, 582
- D**
- Danville and Pottsville Railroad, 14
Dayton and Troy Railroad, 14
Danville Railroad, 682, 34
Dayton and Cincinnati Railroad, 631, 441, 139
Dayton and Michigan Railroad, 345, 485, 539, 665, 615
Dauphin Coal Co.'s Railroad, 731, 488, 374
Dayton and Greenville Railroad, 391
- Darien Ship Canal, 548
Drainage of Great Rivers, 551
Danville and Paris (Ill.) Railroad, 570
Delaware and Raritan Canal, 57
" Hudson Canal, 283, 246, 221, 125
Debt of Louisiana, 165
Debt of the States, 520
Debt of New Orleans, 283
Defrauding Railroads, 295
Delaware and Hudson Canal, 332
Delaware Water Gap Railroad, 524
Depot, Locomotive, 589
Depot at Union, Kentucky Railroad, 459
Below, Industrial resources of the South and West, 664
Detroit, Monroe, and Toledo Railroad, 761
Delaware Railroad, 775
Dividends of New Works, 449
Diving, Deep, 459
Doty, Hon. Jas. D., M. C., letter from, 492
Dubuque and Red River Railroad, 42
Dunkirk, Business at, 231
Dunkirk and Keokuk Railroad, 290
Dunkirk, Growth of, 393
Durbin, Wm., 608
Dry Dock, U.S. Naval, at Philadelphia, 597
- E**
- East Tennessee and Virginia Railroad, 249, 104, 11, 587, 357, 332, 292
" " Georgia Railroad, 444, 440, 92
Evansville and Illinois Railroad, 409, 377, 342, 549
Eaton and Hamilton Railroad, O., 593, 774, 710
Evansville and Nashville Railroad, 508, 492, 293
Eric Railroad, double track, 312
Eaton Road, Georgia, 331
Eastern Railroad, location of, 353, 647, 535, 492, 487, 461
England and Canada, Steam communication between, 617
Examination of Railroad in N. Y., 520
Eastern Railroads (Statistics of Railroads in Mass.), 550
Earnings of Railroads, 614, 602
Essex Railroad, 493, 374
Edgemoor and Kentucky Railroad, 459
Extension of our Railway System, 561
Effects of the Earth's Rotation on Locomotion, 599
Extension of the Indiana Railroad, 611
Eric, Steamers on Lake, 136, 2
Eric Railroad, 73, 43, 17, 3, 664, 631, 568, 550, 401, 377, 248, 235, 142
Eric Canal, Lettings of, 34
" Railroad Loan, Bids for, 41
" Canal Enlargement of, 42
" and Wabash Canal, 56
" Routes to Lake, 59
English Railroads, Statistics of, 60, 276, 275
Eight-wheel Railroad Car, 119
Eric and Upper Lakes, Travel on, 198
Ericsson's Air Engine, 229
Eric Canal Tolls of, 261
Eric Canal, 279
Ericsson's Centric Engine, 470, 306
Engineering, Civil, Study of in Union College, 392
Emigration Westward, 475
English Patent Law, new, 239
Engineer, Importance of Nat. Science to, 545
English Railroads, remarkable feat of, 694
Economics, Railway, 705
European and North American Railroad, 124, 729, 600, 645, 633, 426, 276, 257, 153, 294
Education, Lecture on, by Rev. Dr. Murdoch, 526
Evansville and Illinois Railroad, 295
- F**
- Franklin and Warren Railroad, 327
Frankfort and Louisville Railroad, 249
Fan Paddle, Stevens', 277
Fairbanks' Railroad Scales, 312, 296
Farming, Specimen of in Ohio, 363
Fairs, State, 540
Fairhaven Branch Railroad, 647, 332
French Railway System, 519
Fencing Railways, 709
Finances of St. Louis, 39
" Ohio, 140, 39
" Portland, Me., 43
" Maryland, 54
" Virginia, 245, 54
" Massachusetts, 555
" Michigan, 172
Fitchburg Railroad, Mass., 172
Finances of Alabama, 124
" Kentucky, 135
" Pennsylvania, 546, 149
" Louisville, Kentucky, 296
" Connecticut, 331
Fishkill Railroad Meeting, 319
Fisheries, 619
Fisk, C. B., resignation of, 661
Florida Railroad, Rochester, 44
Florida Railroad, 157
Florance Railroad Convention, 346
Fox River Valley Railroad, 647, 608, 375
Florence and Nashville Railroad, 498
For Wayne and Chicago Railroad, 775, 776, 674, 628
Foreign Investments in this country, 632
Florida, Railroads in, 712
Fort Wayne and Southern Railroad, 714
Foreign Correspondence, 778
Funded Debt of Maryland, 48

G	Galena and Chicago Union Railroad 166, 30, [541, 535, 392, 45, 58, 199, 201, 251]	Iron, Importation of 22	Mayville and Lexington Railroad 530, 328	New Orleans and Nashville 978
Grants of Public Lands for Railroads 218, 58		Iron, Lowmoor 284	McCallum's Patent Timber Bridge 366	New York and Boston Railroad 761
Gallopis Railroad, Ohio 94		Iron Mountain Mo. Railroad 761, 630	Mad River Railroad 412	New Iron Project 761
Gas, how to increase the illuminating power of 169		Iron, Interests of the United States 674	Mayville and Big Sandy Railroad 507, 473, 775	Niagara Falls, New Suspension Bridge over 578
Gauge of Railroad from Buffalo to Erie 232		Iron, American 726	Manassas Gap Railroad 631, 488	Nicaragua Canal 789
Galena Lead Mines 553		Iron, malleable and R. R. axles 742	Manfield and Sandusky City Railroad 492	Norfolk and Worcester Railroad 429, 43
Grand Trunk (Canada) Railroad 776		Iron Bridges 788	Manufactures, Agriculture of U. S. 535	North-Western Railroad, Va. 157, 74, 55, 524
Great Western Railroad, Canada 139, 94, 44		Improvement, A Good 775	Marias Croche Railroad 535	North Carolina Railroad 718, 444
Geneva and Ithaca Railroad 527		Influence of Railroads on the course of trade 609	Madison and Beloit Railroad 535, 534	North Indiana Railroad 248, 104
Georgia Railroads 231, 45			Madison and Prairie du Chien Railroad 564	North Carolina Railroad 547, 498, 119
What Railroads have done for 45			Maryland Mining Co. 586	North-Western Route 245
Greenville and Miami Railroad 567, 307, 108, 741			Memphis and Nashville Railroad 54	Norfolk Railroad 741, 504, 427, 418, 371
Ghent and Troy (N. Y.) Railroad 101			Memphis and Charleston Railroad 679, 646, 615,	Norfolk and Petersburg Railroad 499
Georgia Southwestern Railroad 155			[535, 425, 408, 355, 204, 94]	North Carolina Railroad 718, 444
Central Railroad 108, 173, 425			Metals, Exported from Great Britain 197	Northern Cross and Central Military Tract
Great Britain, Commercial Statistics of 189			Metals, Production of the Precious since 1492 508	Railroads 519
Metals exported from 197			Michigan Central Railroad 549, 456, 551, 9	North Hampton and Westfield Railroad 551
Greenville and Union Railroad, Ohio 215			Mint of the U. S., 1851 25, 725, 104	North Branch Canal 566
Georgia Railroad & Banking Co., Report of 321			Mississippi and Atlantic Railroad 151, 122, 43, 253	Northern New York, Lead Mines of 595
Georgia, Central Railroad and Banking Co. 374			Mississippi and Mississippi Railroad 531, 503,	Norfolk Copper Mine 614
Greenville and Columbia Railroad 730, 359			Milwaukee and Grand 440, 421, 405, 376, 309, 170, 139, 49	Nova Scotia Railroads 532
Genesee Valley Railroad 550, 540, 429, 406, 718,			Michigan, Finances of 71	North Danvers, and S. Reading Railroad 663, 647
[567]			Michigan Southern Railroad 553, 492, 438, 231,	Northern Railroad, (Canada) 679
Georgia State Railroad 570			[156, 148]	North Missouri Railroad 774, 681
Green Bay, Milwaukee and Chicago Railroad 634			Miami and Erie Canal 227	North Carolina (State Debt) 727
Great Achievement 679			Mint, Coinage for March 252	Northern and Southern Routes 746
Green Point and Flushing Railroad 690			Michigan Central Railroad 358, 397, 25	North-Eastern (South Carolina) Railroad 760
Great Britain, National Debt of 694			Mineral Point and Gordon Road, Ga. 331	North Missouri Convention 774
Girard and Channunugue Railroad 188, 22			Michigan Central Road, Opening of 343	
Gold, Future of 596			Mississippi and Rook River Junction Rail-	
Government Appropriation for Internal			road 349	
Improvements 267			Missouri State Bonds 363	
Gold, Consumption of 524			Mississippi River and its Tributaries 373, 368	
" Statistics of 596			Michigan and Dayton Railroad 551	
Gold and Silver 679			Missouri, Railroad in 734, 630, 585	
			Missouri Railroad Lands 609, 602	
			Michigan Lake Shore Railroad 630	
			Mississippi Central Railroad 810, 761, 648	
			Mississippi and Chicago Railroad 685, 675	
			Mississippi and St. Lawrence Railroad 722, 714, 686	
			Mississippi Valley and St. Lawrence Railroad	
			Inland Commerce of 737	
			Mississippi Repudiation 742	
			Mississippi, The 773	
			Miner Hill and Schuykill Haven Railroad 775	
			Mobile and Ohio Railroad 647, 618, 615, 540, 523,	
			[549, 519, 165, 158, 151]	
			Montreal and Quebec Railroad 349, 300	
			Mobile and Ohio Railroad 349, 300	
			Montgomery and West Point Railroad, Ala. 406,	
			[302, 314]	
			Mobile and Ohio Railroad 618, 569, 440, 409, 394,	
			[392, 314]	
			Mohawk Valley South Side Railroad 551, 540	
			Mount Savage Railroad 761, 628, 566	
			Model Engineer 587	
			Mount Washington, Height of 588	
			Montreal Locomotive Engine 724	
			Mount Vernon, Pittsburgh and Springfield	
			Railroad 720	
			Muscouche Railroad 445, 81	
			Municipal Bonds of Penn. 251	
			N	
			Nashville and Louisville Railroad 568, 537, 94, 44	
			Nashville and Memphis Railroad 54	
			Nashville and Chattanooga Railroad 617, 567,	
			[635, 405, 253, 291, 237, 209, 53]	
			Nashville and Danville Railroad 504, 519	
			Nashville and Cincinnati Railroad 524	
			Nashua and Lowell Railroad 374	
			Nashville and Tennessee Railroad 534	
			Nashville and Alabama Railroad 539	
			Natural Science Importance to Engineer 545	
			National Railroad (Illinois) Sale of 675	
			Nashville and Florence Railroad 697	
			Naples and Decatur Railroad 761	
			Newcastle and Richmond Railroad 420, 359, 167, 1	
			New York and Erie Railroad 631, 427, 248, 233,	
			[142, 72, 43, 17, 3]	
			New Orleans and Nashville Railroad 633, 552,	
			[11, 5]	
			N. Y., Commerce of Port of, 1851 8	
			N. Y. Railroads 798, 492, 391, 229, 173, 147, 131, 69,	
			[268, 24]	
			N. Y. Canals 268, 24	
			N. Y., Debt of City of 25	
			N. Hamburg Tunnel on H. River Railroad 27	
			New Orleans, Southwestern Railroad, Con-	
			vention at 65, 33	
			N. Y. Canals, Commerce of 245, 71, 44	
			New York and New Haven Railroad 555, 375,	
			[238, 57]	
			New York Canals, Tolls on 214, 167	
			New York, New General Railroad Law of 215,	
			[209]	
			New York & Philadelphia 792	
			New York and the Lakes, Railroad between 216	
			News from Europe in five Days 221	
			New Orleans and St. Louis Railroad 248	
			New Albany and Salem Railroad 490, 424, 253	
			New London, Willimantic and Palmer Rail-	
			road 745, 268	
			New Orleans, Debts of 283	
			New Jersey Railroad 299	
			New York, Rochester & Syracuse Railroad 299	
			New Orleans and Jackson Railroad 524, 455, 419,	
			[330, 300]	
			New York and New Haven Railroad 371, 343,	
			[332]	
			New London and New Haven Railroad 439, 338	
			New Haven, Hartford and Springfield Rail-	
			road 371	
			New Albany and Michigan Railroad 375	
			Newburyport Railroad 632, 375	
			New York Central Railroad 711, 393, 338	
			New York City as a Railroad 790, 551	
			New Brunswick Railroad 424	
			New Orleans, Opelousas and Great Western	
			Railroad 775, 772, 648, 582, 568, 507, 516, 501, 493,	
			[455, 42, 484]	
			New Orleans, Jackson and Great Northern	
			Railroad 527, 450, 389, 277, 244, 678, 633, 582, 567, 524	
			New Railroad Co. East 37	
			New Hampshire Central Railroad 790, 551	
			New Haven and Middletown Railroad (air	
			line) 553	
			New Postage Law 586	
			New Orleans, Finances of 601	
			New Railroad Route between the Lakes and	
			New York 661	
			O	
			Orange and Alexandria Railroad, Va. 311, 630, 167	
			Ontario, Simcoe and Huron Railroad 504	
			Oswego, Lake Imports at 73	
			Ogdensburg Railroad 741, 330, 244	
			Ogdensburg and St. Lawrence Railroad 281	
			Ocean Steamers (Canada) 551	
			Ohio, Canals of 23	
			Ohio & Mississippi Railroad 616	
			[552, 549, 608, 486, 429, 392, 356, 273, 267, 6, 549,	
			[747, 694, 230, 167, 131, 98]	
			Ohio, Public Works of 187, 110	
			Ohio, Agricultural Statistics of 135	
			Ohio, Finances of 140, 39	
			Ohio Railroads 123, 114, 92, 45, 560, 397, 375, 229	
			Ohio and Pennsylvania Railroad 56, 52, 50, 77	
			[791, 332, 250, 141, 301, 205, 246, 507, 532, 238]	
			Ohio & Mississippi Railroad 616	
			[552, 549, 608, 486, 429, 392, 356, 273, 267, 6, 549,	
			[747, 694, 230, 167, 131, 98]	
			Ohio, Public Works of 187, 110	
			Ohio, Agricultural Statistics of 135	
			Ohio, Wheat Crop of 141	
			Ohio, County Bonds 184, 161, 186	
			Ohio and Indiana Railroad 530, 280, 690	
			Oil, Consumption of, on Railroads 230	
			Ohio, County Securities 230	
			Ohio, Railroads in 234	
			Ohio, Wheat and Corn Crop of 278	
			Ohio, Toledo, Norwalk and Cleveland Rail-	
			road 235, 411	
			Ohio, Wilmington and Zanesville Railroad 310	
			Ohio, Akron Branch Railroad 311	
			Ohio, Exhibit of the Columbus, Piqua and In-	
			diana Railroad 341	
			Ohio, County Subscriptions of 357	
			Ohio, General Railroad Law 457	
			Ohio County Bonds, Validity of 478	
			Ohio Projects of Roads in 526	
			Ohio Falls, Railway over 613	
			Ohio, Lake Shore Lines 615	
			Ohio, Southern Railroads in 632	
			Ohio Central Railroad 774	
			Old Colony Railroad, Mass. 125	
			Old Town and Lincoln Railroad 696	
			P	
			Pacific Railroad, Mo. 125, 50, 39, 242, 338, 392	
			[804, 408, 548, 508, 627, 632, 726]	
			Pasumpsic Railroad, Vt. 120	
			Panama Railroad 130, 345, 70	
			Plattsburgh and Montreal Railroad 508, 359	
			[154, 631, 643, 639]	
			Paint, Hubbuck's White Zinc 277	
			Paddle, Stevens' Patent Fan 277	
			Parkersburg Railroad, Va. 261, 234, 273	
			Patent Law, New English 539	
			Palmer and Amherst Railroad 535	
			Peoria and Quakwa Railroad 139, 14, 790, 232	
			[118]	
			Petersburg and Shirley Railroad, N. H. 41, 281	
			Pennsylvania Railroad 37, 293, 236, 319, 232, 201,	
			[170, 166, 109, 248, 230, 473, 508, 533, 538, 541, 632, 776]	
			Pennsylvania, Public Works of 163, 125, 247	
			Finances of 149	
			Railroad, Gauge in 161	
			Railroad Policy 186	
			Peru and Indianapolis Railroad 412, 408, 138	
			[145]	
			Penobscot and Kennebec Railroad 216, 363, 504	
			[612, 554, 561, 295]	
			Pneumatic Bridge Building 234	
			Pennsylvania Central Railroad 298, 247	
			" Municipal Bonds of 10, 251	
			Permanent way for Railroads 275	
			Pennsylvania Coal Trade 374, 309, 327	
			North Branch Extension—	
			act to provide for immediate completion 311	
			Penn Foundry, Alton 330	
			Pennsylvania, Finances of 149	
			Prescott and Lake Huron Railroad 450	
			Peru and Indianapolis Railroad 412, 408, 138	
			Peru and Quakwa Railroad 690	
			Pennsylvania, Table of Length and Cost of	
			State Works of 710	
			Phoenixville and Cornwall Railroad 712	
			Piles Fork and New Martinsville Railroad 731, 621	
			Pittsburgh and Steubenville Railroad 77, 219	
			[541, 549]	
			Philadelphia and Columbia Railroad 86	
			" and Allentown Railroad 95	
			Pittsburgh and Cincinnati Railroad 118	
			Philadelphia, Valuation of 157	
			" and Water Gap Railroad 731, 621	
			[524, 678, 741]	
			" Wilmington and Baltimore	
			Railroad 298	
			Philadelphia Trade with Canada 330	
			Phil. & Norristown Railroad 792	
			Philadelphia and Oswego Railroad 299	
			Philadelphia, Commerce of 299	
			Pittsburgh & Cornwellville Railroad 374	
			Pittsburgh, Mt. Vernon and Springfield Rail-	
			road 735, 526	
			Pittsburg and Erie Railroad 611	

- Philadelphia and Sunbury Railroad, 299, 745, 631
 Philadelphia and the South-West, (aid to the Marietta Railroad), 278
 Portland, Me., Finances of, 45
 Population of Cities in the United States, 1850, 207, 87
 Providence and Worcester Railroad, 88
 and Plainfield Railroad, 198
 Pork Trade of Cincinnati, 174
 Potomac Co., Origin of, 220
 Potomac and Waterstown Railroad, 220
 Portland and Montreal Railroad, 220, 294
 Providence and Bristol Railroad, 248, 349
 Providence and Worcester Railroad, 299
 Providence, Hartford and Fishkill Railroad, 300
 Post Office, General Statement, 507, 354
 Point of Rocks Railroad, 300
 Portland, Saco & Portsmouth Railroad, 407, 540
 Progress of Steamboating in the West, 519
 Population and Representation of the United States, 207, 87
 Portsmouth and Dover Railroad, 507
 Portland Locomotives, 507
 Postage Law, New, 508
 Population of Canada, 726
 Public Works of Ohio, 110
 Public Lands, Grant of, to Railroads, 261
 Public Lands, Table of, 515
- Q**
 Quebec and Richmond Railroad, 45, 100, 347, 308
 " and Montreal Railroad, 102
 " and Halifax Railroad, 376, 520
 " Steamboat Line from New York, 439
 " and St. Andrews Railroad, 502
 Quincy's Letter to Stockholders in Vermont Central Railroad, 225
 Quincy and Mercedita Railroad, (Ill.), 541
 Quartz Mining in California, 731, 729, 697
- R**
 Railroads in the Provinces, 190, 5
 Progress in the U. S., 5
 Railroad Law, 120, 98, 77, 44, 28, 6, 533, 531, 283, [235, 209, 202]
 Railroads in the U. S., 1852, 226, 454, 12, 10
 Railroad Arrangements from Pittsburg West, 14
 Railroads, Names of Presidents of, 27
 Railroads in Northern and Southern States, 27
 " in Southern Ohio, 29
 Railroad Convention at New Orleans, 33, 65
 Railroads in Mass., Annual Cost of, 42
 " Ohio, 123, 114, 92, 45
 " Georgia, 56, 45
 " Influence of, 56
 " Grants of Public Lands for, 218, 28
 " in Great Britain, Statistics of, 407, [75, 60]
 Railroad between Richmond, Va., and Ohio River, 66
 Raleigh and Gaston Railroad, 199, 93, 71, 508
 Railroads, Influence of upon Value of Property, 67, 540
 Railroad Accidents, 243, 235, 74, 522, 202
 Railroads through Central Tennessee, 76
 Railroad Companies, County Subscriptions for, [82, 129]
 Railroads in Virginia, 125, 98
 " in Pennsylvania, 82
 " in Western New York, 824
 " in Arkansas, 827
 Railroad Reports, how they should be made up, [88]
 Railroads, Corporate Subscriptions to, 97
 Railroad Bonds and Shares, Fluctuations of, 105
 Controversy in Virginia, 116, 85, 148, 130
 Railway Car, Eight-wheeled, 119
 Railway from Columbia and Greenville Railroad to Knoxville, Tenn., 119
 Railroads, Government Aid to, 120
 Railroad from Lexington South, 124
 Railroads in New York, Statistics of, 147, 131, 173
 Railroad Subscriptions in Virginia, 137
 Railroads in U. S., what a good credit abroad would do for them, 145
 Railroad Gauge in Pennsylvania, 161
 " Projects before Congress, 162
 " in Kentucky, 172
 Rabun Gap Railway, S. C., 456, 239, 174, 776, 748
 Railroads in Arkansas, 502, 180
 Railroad Convention in Baltimore, 181
 Rail, Continuous Bearing, 186
 Railroad Policy of Pennsylvania, 186
 " Track Sprinkler, 188
 " Wheel, Woodruff's, 189
 " Scales, 220, 235, 200
 " between Lake Michigan and the Gulf of Mexico, 224
 Railroad Connection in Ia., 218
 " between N. Y. and Lakes, 216
 Railroads in Tennessee and Kentucky, 219
 Railroad from Rutland and Washington to the Lakes, 245
 Railroad Route to Boston, new, 260
 Railroads in Tennessee, 263
 Railroad Legislation, 263
 Railroads in Ohio, 264, 504
 Railroad on Staten Island, 268
 Railway Economy, Permanent Way, 275
 Railroads in England, Persons employed on, 275
 " Prospects of, 276
 Railway Axes and Wheels, 277
 " Gauge in Canada, 280, 348
 Rabun Gap Railway, 290, 348
 Railroads in Southern Ohio, 291
 " from Brunswick, Ga., to Pennsylvania, Florida, 291
 Railroads in France, 294, 519
 Railway Curves, Axes and Wheels, 307
 Railroad from Columbus to Opelika, 307
 Railroads in Switzerland, 343
 Railway Curves, 343
 " from Toledo to Goshen, 357
 Railroads, Effect of, in Enlarging the Business Circle of Cities, 360
 Railroad Subscription, 607, 630, 645, 646, 613, 603, [686]
 Railroads, Social Influence of, 362
 Railroad Freight, Tariff of, in Ohio, 362
 " of Dauphin Coal Co., 374
 " Southwestern, from Danville, Kentucky, to Tennessee State Line, 392
 Railroads in Louisiana, 406
- Railroad Securities, Negotiation of, 417
 Sale of the National Railroad, 417
 Railroad Traffic in United Kingdom, 418
 System, French, 419
 Railroad Examination, 520
 " Time, 520
 " System of the West, 534
 Car-Seat, 537, 537
 Railroad from Wheeling to Cleveland, 537
 Railroads East of Wheeling, 537
 " v. Wolves, 539
 Railroad Investments, 552, 620
 " to Hudson's Bay, 552
 " Rivalry, 554
 " Looking Glass, 555
 Railroad System, its extension, 556
 Railroad in W. Journal of 820, 794, 783, 747, 724, [709, 686, 674, 666, 646, 645, 627, 612, 562, 778]
 Railroad Convention at Springfield, Mass., 567
 " Warsaw, Ind., 567
 Railroad system beyond the Mississippi, 568
 Railroad Exhibits & Negotiations, 785
 Railroad from Olean, 785
 Railroad Improvements and Comfort, 811
 " Securities and Real Estate Mortgages, 568
 Railroad Corporations v. Hack Drivers, 572
 " Suspension Bridge at Niagara Falls, [546, 578]
 Railroads, English, 578
 Railroad Bonds, 580
 " Lands in Missouri, 592
 Railways about Boston, 614
 Railroad Bridge across Souhegan River, 614
 " Trial at Cleveland, 615
 " in Turkey, 616
 " Convention at Warsaw, 628
 " Commerce of Sandusky, 629
 " Iron, shall we admit it for New Works duty free?, 617, 641
 Railroad Convention at Springfield, 737, 643
 " Knoxville, 647
 Railroads, Advantages of, 663
 Railroad from Olean, 673, 684
 Railroad Bridge over the River, 717, 606
 Railroad Items, 807, 773, 747, 727, 711, 606
 Railroads, Lines of, short and long, 608
 Railway Economics, 728, 706
 Railroad Law, General, of Illinois, 706
 Railways, American vs. English, 710
 Reading Railroad, 721
 Railway, Atmospheric, 721
 Railroads, Centralization of, 725
 " of Great Cities, 730
 Railway Axes and Malleable Iron, 742
 Railway Car Trimmings, 760
 Report of Secretary of Treasury, 761
 Reading Railroad, 807, 289, 35
 Revenues of principal Ports in U. S., 283
 Return of English Railway Traffic, 283
 Remington Bridge, the, 314
 Reciprocity and Retaliation (Canada), 625
 Richmond, Fredericksburg and Potomac Railroad, 291
 River, the Amazon, 291
 " the Mississippi and its Tributaries, 373
 Richmond Railway (Canada), 519
 Rivers, Great, their Drainage, 551
 River Wye, Railway Bridge over, 682
 Rock Island and Chicago Railroad, 29, 675, [389, 215, 195, 155, 66]
 Rochester Flour Trade, 56
 Routes between Lake Erie and Atlantic, 56
 Rochester and Syracuse Railroad, 201, 124, 663, [545, 302, 391]
 Ross and Rutter's Railroad Track Sprinkler, 188
 Roanoke Valley Railroad, 189
 Rockford and Freeport Railroad, 216, 505
 Ross Winans' Patent, Decision on, 223
 Rochester and Lake Ontario Railroad, 328
 Route, Northern, vs. Southern, 330
 Rochester, Lockport, and Niagara Falls Railroad, 391, 444, 567
 Rochester, 440
 Rome and Watertown Railroad, 440
 Routes of Railroads to the Pacific, 492
 Rock River Valley Union Railroad, 775, 729
 Rutland and Washington Railroad, 134, 441, [391, 231]
 Rutland Railroad and Vermont Central Railroad, 280
 Rutland and Burlington Railroad, 523
- S**
 Sale of Buffalo, Corning and N. Y. R. R. Bonds, 792
 State Policy of Illinois, 808
 St. Lawrence and Champlain Railroad, 58, 44, [114]
 Sandusky City and Indiana Railroad, 46
 St. Lawrence and Atlantic Railroad, 791, 578, [209, 81]
 State Railroad, Georgia, 584, 194
 Statistics of N. Y. Railroads, 173, 147, 131
 Savannah and Freeport Railroad, Ill., 151
 Sparta Railroad, Tenn., 155
 Sackett's Harbor and Saratoga Railroad, 156
 St. Lawrence Line of Atlantic Steamers, 167
 Sandusky, Mansfield and Newark Railroad, 167, [407]
 Scales, Duryee and Forsyth's, 235
 St. Lawrence, Bridging the, 238
 Staten Island Railroad, 288
 St. Lawrence Route, Canadian View of, 275
 Scales, Fairbanks', 280
 Sandusky and Indiana Railroad, 300
 Savannah Branch Railroad, Ill., 314
 Savannah vs. New Orleans, 347
 Sandusky, City of, Ohio, 367, 629
 Savannah and Albany Railroad, Ga., 775, 533
 Sault St. Marie Canal, 774, 693, 679, 6, 8, 456
 Spain, Railroads in, 825, 497
 State Fairs, 540
 St. Andrews and Quebec Railroad, 552
 St. Joseph's and Hannibal Railroad, 557
 Statistics of Gold, 562
 State Fairs and Railroad Fairs, 644
 St. Lawrence and Lake Huron and Peterboro' Junction Lines, 645
 Straight Line Road from Utica to Syracuse, 648
 Sacramento Valley Railroad, 664
 Saugus Branch Railroad, 665
- Sackett's Harbor and Ellburgh Railroad, 665
 Sale of the National Railroad, Ill., 675
 Francisco, the Mountain Lake Water Co. of, 683
 Straight Line from Baltimore to St. Louis, 684
 State Works of Penn., Table of Length and Cost, 710
 St. Louis and Iron Mount Railroad, 761
 Steamers on Lake Erie, 136, 2
 Secretary of Treasury, Report of, 21
 Steubenville and Indiana Railroad 812, 131, 56, 456
 Steam Marine of the United States, 70
 Steamers, Collins Line of, 107, 197
 Steam Boiler, Boardman's, 100, 138
 Steamers, Collins and Cunard Lines of, 147
 Stevens' Patent Fan Paddle, 277
 Steam Communication between Baltimore and Boston, 376
 Screw Wrench, Taft and Gleason's, 408, 376
 Securities, Negotiation of Railroad, 417
 Securities, English View of American, 433
 Securities, American Railroad, 433
 Speed, unprecedented Railroad, 441, 420
 Steamboat Losses on the Western Waters, 444
 Steam Communication between England and Canada, 517
 Steamboating in the West, Progress of, 519
 Seats for Railroad Cars, 552, 637
 Steel Manufacture in India, 566
 Shelbyville and Harrodsburg Railroad, 566
 Steamboat Inspectors, appointment of, 60
 Selek's, Thaddeus, Collision Director, 635
 Speed and Fares on Great Western, and London and North Western, Railways, 663
 Table of Comparative, on the principal Railways of the United States, 738
 Springfield and Mansfield Railroad, 437, 68, 600, [536]
 Springs, New Road to the, 69
 Springs for Railroad Carriages, 156, 72
 Scioto and Hooking Valley Railroad, 541, 411, [763, 666, 631, 603, 566]
 Ship Building in Maine, 460
 Springfield, Mt. Vernon, and Pittsburg Railroad, 775, 536
 Science, Nat., importance to Engineers, 545
 Springfield and Terre Haute Railroad, 568
 Springfield and Bloomington Extension Railroad, 694
 Springfield and Columbus, 699
 Ship Railroad across the Isthmus of Florida, 615
 Ship Canal from the St. Lawrence to Lake Champlain, 618
 Silesian Iron, 678
 Stocks in New York, 1861, 6
 St. Louis, Finances of, 8
 St. Louis, Value of American, 39
 Southwestern Railroad Convention, 126, 65, 53
 South Carolina Railroad, 683, 427, 137, 96, 94
 Stony Brook Railroad, Mass., 104
 Sudas Point and Southern Railroad, 549, 301, [221, 215, 122]
 St. Louis and Cincinnati Railroad, 725, 652, 612, [568, 571, 555, 155]
 Southern Convention, App. to, 180
 South Side Railroad, Va., 744, 534, 185
 Southern Railroads, 508, 502, 108
 St. Louis and New Orleans Railroad, 246
 Somerset and Kennebec Railroad, 246
 Sodus Bay and Southern Railroad, 616, 668, 544, [312]
 Southwestern Railroad Convention, 337
 Sodus Bay and Ithaca Railroad, 391
 St. Louis and New Orleans Railroad, 496
 Southern Railroad, The, 566, 508
 Souhegan River Railroad, Bridge across, 614
 Southern Ohio, Railroads in, 682
 Sunbury and Erie Railroad, 362, 55, 42, 37
 Susquehanna, Ice Bridge over the, 55
 Susquehanna Navigation Company, 107, 26
 Susquehanna Railroad, 774, 686, 676, 631, 496, 411, [794, 391, 290, 164]
 Superior Copper Mines, 402, 260
 Susquehanna Railroad, N. Y., 300
 Sullivan Railroad, 456, 332
 Superior, Lake, Railroad, 430
 Suspension Bridge over Niagara Falls, 675, 545
 Subscriptions, Railroad, 630, 618, 603
 Susquehanna, Railroad across, 675
 Suspension Bridges, 711
 Syracuse and Hinghamton Railroad, 523, 491, [386, 376, 268, 199, 171]
- T**
 Tanneries of the U. S., 587
 Travel on Lake Erie and the Upper Lakes, 590, [198]
 " between Albany and New York, 790
 Trade of the Lakes, 199
 Trade of the U. S. with Canada, 233
 Texas, Debt of, 9
 Tennessee, Finances of, 24
 Texas, Public Domain of, 53
 Terre Haute and Indianapolis Railroad, 76
 Terre Haute and Richmond Railroad, 67
 Tennessee Railroads, 263, 76
 Tenn. Valley, New Railroad into the, 119
 Terre Haute and St. Louis Railroad, 714, 696, [441, 172]
 Tenn. Railroad Law in, 202
 Terre Haute and Alton Railroad, 774, 771, 215
 Tehuantepec, Isthmus of, 236
 Railroad, 266, 241
 Tennessee, Nashville and Northwestern Railroad, 236
 Terre Haute and Alton Railroad, 375, 308
 Texas, 536, 445, 363, 312
 Texas Central Railroad, 438
 " Western Railroad, 438
 Telegraph, Submarine, 433
 Tennessee Valley Railroad, History of, 490
 Telegraph Business, 500
 Texas Internal Improvement Convention, 580, [686]
 Telegraphing, Liabilities of, 625
 Telegraph between England and America, 725, [631]
 Telegraph, Magnetic, in Hindostan, 662
 Texas, Railroads in, 693
 Toga Railroad Company, Exhibit of, 454
- Time, Railroad, 589
 Timber by Railroad, 614
 Troy and Dayton Railroad, 14
 Toledo, Norwalk and Cleveland Railroad, 661, [411, 261, 231, 152]
 Tobacco, Shipment of, 103
 Tolls on New York Canals, 103
 Through Line Railroad to the West, 231
 Toronto and Guelph Railroad, 233
 Tolls, Trade and Tonnage of Erie Canal, 241
 Tonnage of Great Britain and U. States, 246
 Troy and Greenfield Railroad, 359, 254
 Travel West, 259
 Toledo, Norwalk and Cleveland Railroad, 339
 Troy and Schenectady Railroad, 391
 Toronto and Lake Huron Railroad, 414
 Tonnage of our Commercial States, 444
 Toledo and Indiana State Line Railroad, 605
 Tunnel under the Hudson River, 174, 135
 " " " at Albany, 632
 Tunneling Machine, 174, 164
 Trunk Railway, Canada, 554, 279
 Tunneling Machine for the Hoosac Mountain, 408
 Tunnel, Blue Ridge, 507
 Turning a Railroad, 444
 Turntable, Carhart's Improved, 414
 Turkey, Railroad in, 615
- U**
 U. S., Banks in, 24
 U. S., Mint of, 796, 725, 649, 232, 104, 25
 U. S., Steam Marine of, 423, 70
 U. S., Census of Cities, 1860, 267, 87
 U. S., Statistics of, 594
 U. S., Debt of, 9
 United Kingdom, Export of Metals from, 197
 U. S., Statistics of Railroads in, 454, 238
 U. S., Population at Various Periods, 666, 429
 U. S., Agriculture and Manufactures of, 435
 U. S., Population and Representation, 547
 U. S. Island Commerce more important than Foreign, 787
 University for Practical Science, 428
 Union Track and Depot at Indianapolis, 368
 Utica and Syracuse (straight line) Railroad, 667, [645, 635]
 Utica and Schenectady Railroad, 391, 369
- V**
 Vermont Central Railroad, 45, 30, 71, 184, 233, [568, 275, 353, 686]
 Vermont and Massachusetts Railroad, 125
 Vermont Western Railroad, 248, 157
 Vermont Central Railroad, Mr. Quincy's Letter to stockholders, 225
 Ventilation of Cars, 347, 712
 Vermont Valley Railroad, 649
 Vermont and New Hampshire Railroads, 631
 Vermont and Boston Telegraph Co., 715
 Virginia Central Railroad, 618, 766, 691, 2
 Virginia, Finances of, 244, 54
 Virginia and Tennessee Railroad, 287, 215, 65
 Virginia Railroads, 662, 769, 776
 Virginia, Railroad Controversy in, 130, 116, 58
 Virginia, Railroad Subscriptions in, 137
 Virginia, Internal Improvements of, 139
 Virginia North-Western Railroad, 167, 74, 45
 Virginia and Tennessee Railroad, 278, 293
 Vicksburg, Shreveport and Texas Railroad, 326, [562]
 Virginia Internal Improvement Convention, 300
- W**
 Wabash and Erie Canal, 562, 498, 95, 48
 Water Gap, Railroad from Philadelphia to, 298
 Waynesborough Road, Georgia, 531
 Wabash Valley Railroad, 787, 590, 445
 Wabash Valley, Trade of, 668
 Western Railroads and Sections, 76
 West Chester and Philadelphia Railroad, 76, 234
 Western Railroad, Mass., 507, 123, 98
 Wheeling Bridge case, 107, 162, 193
 Western Vermont Railroad, 248, 157
 Wheat Crop of Ohio, 275, 141
 Western and Atlantic Railroad, 508, 366, 164, 772
 Western Railroad Connections, 233
 Western Routes of Transportation, 233
 West, Progress of the, 247
 Western Transportation, 267
 Welland and St. Lawrence Canals, Tolls on, 547
 West, Railroad System of the, 588
 Wellsville and Wheeling Railroad, 663
 Wellsville Railroad, N. H., 7
 Winslow's Compound Rail, 649, 99
 Wilmington and Manchester Railroad, 113, 305
 Winchester and Potomac Railroad, [397, 441]
 Wisconsin, Resources of, 460, 140
 White Zinc Paint, 125
 Whites Co. Railroad, Georgia, 423
 White's Suspension Bridge, 344
 Whitehall and Plattsburg Railroad, 336
 Wisconsin Railroad Bonds as a basis of banking, 346
 Winchester and Potomac Railroad, 423
 Wisconsin Southern Railroad, 202
 Wilmington and Raleigh Railroad, 727, 672
 Wisconsin, Free Banking in, 776
 Worcester and Nashua Railroad, 69
 Woodruff's Railroad Wheel, 189
 World's Fair, American Manufacturers at, 180
 Whistler, George W., 473
 Woolen Manufacture of Great Britain, 473
 World's Fair in New York, 470
- Y**
 York and Cumberland Railroad, Me., 531, 44
 York and Cumberland Railroad, Pennsylvania, 632, 612, 534
- Z**
 Zinc Paint, 391

